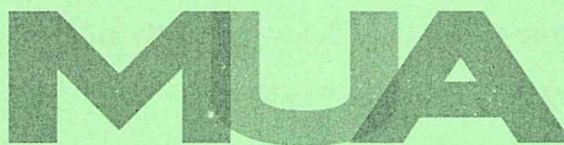


The
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UNDERGRADUATE UNIVERSITY EXAMINATIONS
SCHOOL OF MANAGEMENT AND LEADERSHIP
DEGREE OF BACHELOR OF ARTS IN DEVELOPMENT STUDIES

BDS 409: ENVIRONMENTAL PLANNING AND MANAGEMENT

DATE: 5TH DECEMBER 2016

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **THREE** questions.
6. Question **ONE** carries **25 MARKS** and the rest carry **15 MARKS** each.
7. Write all your answers in the Examination answer booklet provided.

QUESTION ONE

Read the Case Study below carefully and answer the questions that follow:

MAN EARTH INTERFACE

Man's quest for improvement and progress is eternal. In order to meet his natural and acquired needs he started utilizing the planet's resources indiscriminately. The stress of these efforts increased phenomenally due to the increase in population and industrial revolution. The environmental damage that we have done in the last 200 years is much more than the total damage done in the entire period of human existence in this planet. The stress on the resources became so acute that nature started reacting in an adverse fashion. The world population woke up to this scenario and started systematizing and controlling the indiscriminate use of natural resources. It is hence the study, research and application in Environmental Science, Education and Environment related concerns has become overwhelmingly relevant especially for academic professionals.

Required:

- a) Point out two challenges that environmental conservation encounters (2MARKS)
- b) Explain the role of management in environmental resources (3MARKS).
- c) The world is full of countless species of tree, fish and animals for human consumption but yet human beings suffer food shortage. Explain five (5) reasons (10MARKS)
- d) What are the five (5) components of environmental education? (10 MARKS)

QUESTION TWO

- a) Describe seven (7) root causes of resource problems (7MARKS)
- b) Identify any four (4) major types of environmental health hazards and explain the goals of environmental health in relation to water and air pollution (8MARKS)

QUESTION THREE

- a) Protected areas are open to various challenges. Explain any five (5)
(5 MARKS)
- b) What are the major five (5) sources of solid waste? (10 MARKS)

QUESTION FOUR

- a) Describe the term sustainable development. (3MARKS)
- b) Describe the natural and the anthropogenic causes of soil erosion. (6MARKS)
- c) Distinguish between renewable resources from non-renewable resources
(6MARKS)

QUESTION FIVE

- a) Distinguish between in-situ and ex-situ conservation strategies. (5 MARKS)
- b) Outline ten (10) guiding Principles of Environmental Education?(10MARKS)

QUESTION SIX

- a) Outline the importance of environmental conservation to mankind. Give four
(4) points (4MARKS)
- b) Discuss the three (3) principles dimensions of environmental planning
(11MARKS)

